

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Georgios B. Giannakis; Confirmation No. 1088  
Liuqing Yang  
Serial No.: 10/796,563  
Filed: March 8, 2004 Customer No.: 28863  
Examiner: Juan A. Torres  
Group Art Unit: 2611  
Docket No.: 1008-013US01/Z03132  
Title: SPACE-TIME CODING FOR MULTI-ANTENNA ULTRA-WIDEBAND  
TRANSMISSIONS

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop: Amendments  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450


Dear Sir:

Applicant re-submits the reference listed on the attached form PTO-1449, and has enclosed a copy of the listed reference. Applicant previously submitted this reference with an IDS on 3/24/2005 (before receipt of a first Office Action on the merits), but did not specify a publication date for the reference. To the best of Applicant's knowledge, based upon information from multiple sources, the listed reference was published in January, 1998 (as is now specified in the attached form PTO-1449).

Respectfully submitted,

Date: Sept. 7, 2007

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Form 1449\*

**INFORMATION DISCLOSURE  
STATEMENT**

IN AN APPLICATION

(Use several sheets if necessary)

Docket Number:

1008-013US01/Z03132

Application Number:

10/796,563

Applicant:

Georgios B. Giannakis; Liuqing Yang

Filing Date:

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Group Art Unit:

2611

Examiner Name:

Juan A. Torres

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Issue/Document Publication Date	Name	Filing Date If Appropriate

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Publication Date	Country	Translation	
				Yes	No

**OTHER DOCUMENTS (Including Authors, Title of Item, Page(s), Vol/Issue No., Publisher, Place of Publication)**

	P. Withington, "Impulse Radio Overview," Time Domain Corp., pp. 1-7, published in January 1998.
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**EXAMINER****Date Considered**

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Based on Form PTO-FB-A820  
(Also form PTO-1449)

Patent and Trademark Office, U.S. Department of Commerce

